CENTRAL INTELLIGENCE AGENCY

INFORMATION REPORT

SECRET
SECURITY INFORMATION

619544 25X1

COUNTRY	East Germany	REPORT	
SUBJECT	Development of Frequency Filters for Use in Jamming	DATE DISTR.	7 May 1954
		NO. OF PAGES	1
DATE OF INFO.		REQUIREMENT	25X1
PLACE ACQUIRED		REFERENCES	25X1

This is UNEVALUATED Information

THE SOURCE EVALUATIONS IN THIS REPORT ARE DEFINITIVE.
THE APPRAISAL OF CONTENT IS TENTATIVE.
(FOR KEY SEE REVERSE)

25X1

1. In late January 1954 Funkwerk Koepenick Department TEA, which is headed by Dr. Erich Schuettloeffel, received the order to develop a frequency filter (Frequenzweiche) which could be used for jamming purposes. Schuettloeffel developed such a device, basing his work mainly on a paper on frequency filters which appeared in Vol. 3 of the Rohde und Schwarz Mitteilungen 1953, where the function of the device is described as emitting with the same antenna the image carrier as well as the sound carrier in television; that is, the function of the device is not described as jamming.

2. The frequency filter developed by Schuettloeffel is for 2 kw. Another model for 10 kw is to be developed later. This development has been assigned the highest priority.

3. The following is the way in which the frequency filter will be used for jamming:

   Two transmitters will be connected with one antenna by use of the frequency filter. One of the transmitters will operate on the RIAS UKW frequency of 93.7 kilocycles. This transmitter will jam the RIAS transmissions on this frequency. At the same time the other transmitter will broadcast a normal East German radio program on 92.1 kilocycles. The purpose of this set-up is to camouflage the fact that a jamming transmitter is in operation. The public is to know only about the broadcasts on 92.1 kilocycles, while at the same time the transmitter on 93.7 kilocycles performs the jamming.

4. Two UKW transmitters of 3 kw each were brought from VEB Werk fuer Fernmeldewesen (formerly OSW, then HF Werke) in Berlin-Oberschoeneweide. These transmitters with the 2 kw frequency filter and an antenna developed by Schuettloeffel were being run in trial operations at Rheinsberg in early March 1954. After successful conclusion of the trial operations, Schuettloeffel will start development of the 10 kw frequency filter.

SECRET

STATE	X	ARMY	# X	NAVY	X	AIR	#X	FBI		AEC		ORR Ev	x	OSI Ev	x

25X1

(Note: Washington Distribution Indicated By "X"; Field Distribution By "#".)